

Aircraft Manufacturer Cessna Aircraft Co.

Aircraft Engine Manufacturer Continental (O-470-R)

No. of Engines 1 Engine Rating 230 HP

Min. T/O Wt. 1.92 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 2.95 k-lb Max. T/O Wt. War-Time 2.95 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 705 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.92 k-lb Max. Ldg. Wt. 2.80 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 590 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

2,950 lb/32 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-182. Cessna 182, Skylane

ETL 1110-3-394
27 Sep 91

Aircraft Manufacturer Cessna Aircraft Co.

Aircraft Engine Manufacturer Continental (IO-520-A)

No. of Engines 1 Engine Rating 300 HP

Min. T/O Wt. 2.15 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.6 k-lb Max. T/O Wt. War-Time 3.6 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 900 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.15 k-lb Max. Ldg. Wt. 3.6 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 735 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

3,600 lb/42 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-183. Cessna 206, Stationair

Aircraft Manufacturer Cessna Aircraft Co.

Aircraft Engine Manufacturer Continental (IO-520-F)

No. of Engines 1 Engine Rating 300 HP

Min. T/O Wt. 2.12 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.8 k-lb Max. T/O Wt. War-Time 3.8 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 1,100 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.12 k-lb Max. Ldg. Wt. 3.8 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 765 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra D	High A	Medium B	Low C	Very Low D

3,800 lb/55 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-184. Cessna 207, Super Skywagon

Aircraft Manufacturer Cessna Aircraft Co.

Aircraft Engine Manufacturer Continental (IO-520-A)

No. of Engines 1 Engine Rating 300 HP

Min. T/O Wt. 2.58 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.8 k-lb Max. T/O Wt. War-Time 3.8 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 1,170 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.58 k-lb Max. Ldg. Wt. 3.8 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 765 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

3,800 lb/42 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-185. Cessna 210, Centurion

Aircraft Manufacturer Piper Aircraft Corp.

Aircraft Engine Manufacturer Lycoming (O-320)

No. of Engines 1 Engine Rating 160 HP

Min. T/O Wt. 1.34 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 2.0 k-lb Max. T/O Wt. War-Time 2.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 200 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.34 k-lb Max. Ldg. Wt. 2.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 350 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

2,000 lb/†**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-186. Piper PA-22, Tri-Pacer

ETL 1110-3-394
27 Sep 91

Aircraft Manufacturer Aerostar Aviation (formerly manufactured by Engineering and Research Corp.)

Aircraft Engine Manufacturer Continental (C85-12)

No. of Engines 1 Engine Rating 85 HP

Min. T/O Wt. 1.03 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 1.4 k-lb Max. T/O Wt. War-Time 1.4 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time †

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.03 k-lb Max. Ldg. Wt. 1.4 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. †

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

1,400 lb/†**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-187. Aerostar 415, Ercoupe

Aircraft Manufacturer Aerostar Aviation (formerly manufactured by Mooney Aircraft)

Aircraft Engine Manufacturer Lycoming (O-360-A1D)

No. of Engines 1 Engine Rating 180 HP

Min. T/O Wt. 1.86 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 2.53 k-lb Max. T/O Wt. War-Time 2.53 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 780 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.86 k-lb Max. Ldg. Wt. 2.53 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 725 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

2,530 lb/30 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-188. Aerostar M-20

Aircraft Manufacturer Aerostar Aviation (formerly manufactured by Mooney Aircraft)

Aircraft Engine Manufacturer Lycoming (TIO-541-A1A)

No. of Engines 1 Engine Rating 310 HP

Min. T/O Wt. 2.78 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.68 k-lb Max. T/O Wt. War-Time 3.68 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 1,140 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.78 k-lb Max. Ldg. Wt. 3.68 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 960 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

3,680 lb/45 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-189. Aerostar M-22, Mark 22

Aircraft Manufacturer Beech Aircraft Corp.

Aircraft Engine Manufacturer Lycoming (IO-360-A2B)

No. of Engines 1 Engine Rating 200 HP

Min. T/O Wt. 1.7 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 2.55 k-lb Max. T/O Wt. War-Time 2.55 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 950 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.7 k-lb Max. Ldg. Wt. 2.55 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 660 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

Weight	ACN							
	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High	Medium	Low	Ultra	High	Medium	Low	Very
	A	B	C	D	A	B	C	D

2,550 lb/40 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-190. Beechcraft 23, Musketeer

ETL 1110-3-394
27 Sep 91

Aircraft Manufacturer Beech Aircraft Corp.

Aircraft Engine Manufacturer Continental (IO-520-BB)

No. of Engines 1 Engine Rating 285 HP

Min. T/O Wt. 2.41 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.4 k-lb Max. T/O Wt. War-Time 3.4 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 1,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.41 k-lb Max. Ldg. Wt. 3.4 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 760 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

3,400 lb/40 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-191. Beechcraft V-35B, Bonanza

Aircraft Manufacturer Beech Aircraft Corp.

Aircraft Engine Manufacturer Continental (IO-470-K)

No. of Engines 1 Engine Rating 225 HP

Min. T/O Wt. 2.18 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.05 k-lb Max. T/O Wt. War-Time 3.05 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 980 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.18 k-lb Max. Ldg. Wt. 3.05 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 1,300 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

3,050 lb/40 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-192. Beechcraft F-33, Bonanza

Aircraft Manufacturer Beech Aircraft Corp.

Aircraft Engine Manufacturer Continental (IO-520-B)

No. of Engines 1 Engine Rating 285 HP

Min. T/O Wt. 2.28 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.4 k-lb Max. T/O Wt. War-Time 3.4 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 965 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.28 k-lb Max. Ldg. Wt. 3.4 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 650 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	<u>Rigid Pavement Subgrades</u>				<u>Flexible Pavement Subgrades</u>			
	High <u>A</u>	Medium <u>B</u>	Low <u>C</u>	Ultra Low <u>D</u>	High <u>A</u>	Medium <u>B</u>	Low <u>C</u>	Very Low <u>D</u>

3,400 lb/40 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-193. Beechcraft F-33A, Debonair

Aircraft Manufacturer Bellanca Aircraft Corp.

Aircraft Engine Manufacturer Continental (IO-470-F)

No. of Engines 1 Engine Rating 260 HP

Min. T/O Wt. 2.13 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.0 k-lb Max. T/O Wt. War-Time 3.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 340 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.13 k-lb Max. Ldg. Wt. 3.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 400 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High	Medium	Low	Ultra	High	Medium	Low	Very
	A	B	C	D	A	B	C	D

3,000 lb/†**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-194. Bellanca 260, Viking

ETL 1110-3-394
27 Sep 91

Aircraft Manufacturer Bellanca Aircraft Corp.

Aircraft Engine Manufacturer Continental (IO-520-D)

No. of Engines 1 Engine Rating 300 HP

Min. T/O Wt. 2.18 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.33 k-lb Max. T/O Wt. War-Time 3.33 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 450 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.18 k-lb Max. Ldg. Wt. 3.33 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 575 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	<u>Rigid Pavement Subgrades</u>				<u>Flexible Pavement Subgrades</u>			
	High <u>A</u>	Medium <u>B</u>	Low <u>C</u>	Ultra Low <u>D</u>	High <u>A</u>	Medium <u>B</u>	Low <u>C</u>	Very Low <u>D</u>

3,330 lb/†**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-195. Bellanca 300, Viking

Aircraft Manufacturer Grumman Corp (formerly manufactured by American Aviation)

Aircraft Engine Manufacturer Lycoming (O-235-C2C)

No. of Engines 1 Engine Rating 108 HP

Min. T/O Wt. 1.18 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 1.5 k-lb Max. T/O Wt. War-Time 1.5 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 900 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.18 k-lb Max. Ldg. Wt. 1.5 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 490 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	<u>Rigid Pavement Subgrades</u>				<u>Flexible Pavement Subgrades</u>			
	High	Medium	Low	Ultra	High	Medium	Low	Very
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>

1,500 lb/26 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-196. Grumman AA-1, Yankee

ETL 1110-3-394
27 Sep 91

Aircraft Manufacturer Navion Aircraft Corp.

Aircraft Engine Manufacturer Continental (IO-470-H)

No. of Engines 1 Engine Rating 260 HP

Min. T/O Wt. 2.32 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.32 k-lb Max. T/O Wt. War-Time 3.32 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 725 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.32 k-lb Max. Ldg. Wt. 3.32 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 750 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

3,320 lb/45 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-197. Navion G-1, Rangemaster

Aircraft Manufacturer Piper Aircraft Corp.

Aircraft Engine Manufacturer Lycoming (IO-540)

No. of Engines 1 Engine Rating 260 HP

Min. T/O Wt. 2.06 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.2 k-lb Max. T/O Wt. War-Time 3.2 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 820 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.06 k-lb Max. Ldg. Wt. 3.2 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 690 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High	Medium	Low	Ultra	High	Medium	Low	Very
	A	B	C	D	A	B	C	D

3,200 lb/42 psi**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-198. Piper PA-24, Commanche

Aircraft Manufacturer Piper Aircraft Corp.

Aircraft Engine Manufacturer Lycoming (O-360-A3A)

No. of Engines 1 Engine Rating 180 HP

Min. T/O Wt. 1.57 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 2.4 k-lb Max. T/O Wt. War-Time 2.4 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 720 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.57 k-lb Max. Ldg. Wt. 2.4 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 600 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	<u>Rigid Pavement Subgrades</u>				<u>Flexible Pavement Subgrades</u>			
	High <u>A</u>	Medium <u>B</u>	Low <u>C</u>	Ultra Low <u>D</u>	High <u>A</u>	Medium <u>B</u>	Low <u>C</u>	Very Low <u>D</u>

2,400 lb/†**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-199. Piper PA-28-180, Cherokee

Aircraft Manufacturer Piper Aircraft Corp.

Aircraft Engine Manufacturer Lycoming (IO-360-C1C)

No. of Engines 1 Engine Rating 200 HP

Min. T/O Wt. 1.73 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 2.6 k-lb Max. T/O Wt. War-Time 2.6 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 800 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 1.73 k-lb Max. Ldg. Wt. 2.6 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 680 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

Weight	ACN							
	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High	Medium	Low	Ultra	High	Medium	Low	Very
	A	B	C	D	A	B	C	D

2,600 lb/†**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-200. Piper PA-28-200, Cherokee Arrow

Aircraft Manufacturer Piper Aircraft Corp.

Aircraft Engine Manufacturer Lycoming (IO-540-K1G5)

No. of Engines 1 Engine Rating 300 HP

Min. T/O Wt. 2.18 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 3.4 k-lb Max. T/O Wt. War-Time 3.4 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 900 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 2.18 k-lb Max. Ldg. Wt. 3.4 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. †

* Min. Ldg. Dist. @ Max. Ldg. Wt. 630 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D

3,400 lb/†**

** The relative structural effect of an aircraft with a weight less than 12,500 pounds is reported as maximum aircraft weight and maximum tire pressure.

Figure A-201. Piper PA-32, Cherokee Six